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SOR

SSSSSSSSSSSS	000000000	RRRRRRRRRRRR	TTTTTTTTTTTTTT	3333333333	222222222
SSSSSSSSSSSS	000000000	RRRRRRRRRRRR	TTTTTTTTTTTTTT	3333333333	222222222
SSSSSSSSSSSS	000000000	RRRRRRRRRRRR	TTTTTTTTTTTTTT	3333333333	222222222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSSSSSSSSS	000	000	RRRRRRRRRRRR	333	222
SSSSSSSSSS	000	000	RRRRRRRRRRRR	333	222
SSSSSSSSSS	000	000	RRRRRRRRRRRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSS	000	000	RRR RRR	333	222
SSSSSSSSSS	000000000	RRR RRR	333	22222222222222	
SSSSSSSSSS	000000000	RRR RRR	333	22222222222222	
SSSSSSSSSS	000000000	RRR RRR	333	22222222222222	

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SSSSSSSS	000000	RRRRRRRR	TTTTTTTT	SSSSSSSS	HH	HH	RRRRRRRR
SSSSSSSS	000000	RRRRRRRR	TTTTTTTT	SSSSSSSS	HH	HH	RRRRRRRR
SS	00	00	RR RR	TT	SS	HH	RR RR
SS	00	00	RR RR	TT	SS	HH	RR RR
SS	00	00	RR RR	TT	SSSSSS	HHHHHHHHHHHH	RRRRRRRR
SS	00	00	RR RR	TT	SSSSSS	HHHHHHHHHHHH	RRRRRRRR
SS	00	00	RR RR	TT	SS	HH	RR RR
SS	00	00	RR RR	TT	SS	HH	RR RR
SS	00	00	RR RR	TT	SS	HH	RR RR
SS	00	00	RR RR	TT	SS	HH	RR RR
SSSSSSSS	000000	RR RR	TT	SSSSSSSS	HH	HH	RR RR
SSSSSSSS	000000	RR RR	TT	SSSSSSSS	HH	HH	RR RR

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MM	MM	AAAAAA	PPPPPPPP
MM	MM	AAAAAA	PPPPPPPP
MMMM	MMMM	AA	PP PP
MMMM	MMMM	AA	PP PP
MM	MM	AA	PP PP
MM	MM	AA	PP PP
MM	MM	AA	PPPPPPPP
MM	MM	AA	PPPPPPPP
MM	MM	AAAAAA	PP
MM	MM	AAAAAA	PP
MM	MM	AA	PP
MM	MM	AA	PP
MM	MM	AA	PP
MM	MM	AA	PP

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! Object Module Synopsis !  
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Module Name	Ident	Bytes	File	Creation Date	Creator	Val
SOR\$TRN_VEC	V04-000	96	[SORT32.OBJ] SORTMERGE.OLB;1	16-SEP-1984 01:18	VAX/VMS Macro V04-00	001
SOR\$ARCHAIC	V04-000	759	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:21	VAX-11 Bliss-32 V4.0-742	001
SOR\$COMPARE	V04-000	1054	[SORT32.OBJ] SORTMERGE.OLB;1	16-SEP-1984 01:19	VAX/VMS Macro V04-00	001
SOR\$FILE_NAME	V04-000	168	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 01:05	VAX-11 Bliss-32 V4.0-742	001
SOR\$INTERFACE	V04-000	5169	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:24	VAX-11 Bliss-32 V4.0-742	001
SOR\$KEY_SUB	V04-000	5563	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:29	VAX-11 Bliss-32 V4.0-742	001
SOR\$MSG	V04-000	2	[SORT32.OBJ] SORTMERGE.OLB;1	16-SEP-1984 00:16	VAX-11 Message V04-00	001
SOR\$RMS_10	V04-000	1559	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:36	VAX-11 Bliss-32 V4.0-742	001
SOR\$SCR_10	V04-000	3430	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:40	VAX-11 Bliss-32 V4.0-742	001
SOR\$SORT	V04-000	1327	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:38	VAX-11 Bliss-32 V4.0-742	001
SOR\$SPEC_FILE	V04-000	2140	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:51	VAX-11 Bliss-32 V4.0-742	001
SOR\$SPEC_UTIL	V04-000	562	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:50	VAX-11 Bliss-32 V4.0-742	001
COLL\$UTI[CITIES]	V04-000	2057	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 01:06	VAX-11 Bliss-32 V4.0-742	001
SOR\$COLLATE	V04-000	751	[SORT32.OBJ] SORTMERGE.OLB;1	16-SEP-1984 01:20	VAX/VMS Macro V04-00	001
SRTSPC	V04-000	2495	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
P1\$PAS	T03-038	548	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
P2\$PAS	T03-038	956	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
P3\$PAS	T03-038	289	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
P4\$PAS	T03-038	350	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
P5\$PAS	T03-038	764	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
ICT\$IN	T03-038	362	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
SDECMS	T03-038	742	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
GF\$SGE	T03-038	151	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
PC\$PAR	T03-038	354	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
PK\$PAR	T03-038	666	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
PT\$PAR	T03-038	820	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
PI\$PAR	T03-038	161	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
PM\$PAR	T03-038	123	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
CC\$CON	T03-038	570	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 00:53	VAX-11 Bliss-32 V4.0-742	001
CRE_TRANS	V04-000	3486	[SORT32.OBJ] SORTMERGE.OLB;1	16-Sep-1984 01:08	VAX-11 Bliss-32 V4.0-742	001
LIB\$SET_FILE_PROT	V04-000	502	\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-Sep-1984 02:26	VAX-11 Bliss-32 V4.0-742	001
LIB\$AB_CVTPT_O	1-003	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:51	VAX/VMS Macro V04-00	001
LIB\$AB_CVTPT_U	1-003	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:52	VAX/VMS Macro V04-00	001
LIB\$AB_CVTPT_Z	1-002	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:52	VAX/VMS Macro V04-00	001
LIB\$AB_CVTTP_O	1-003	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:53	VAX/VMS Macro V04-00	001
LIB\$AB_CVTTP_U	1-003	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:53	VAX/VMS Macro V04-00	001
LIB\$AB_CVTTP_Z	1-002	256	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:54	VAX/VMS Macro V04-00	001
LIB\$AB_CVT_U_O	1-003	20	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:54	VAX/VMS Macro V04-00	001
LIB\$MSGDEF	2-018	0	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:43	VAX-11 Message V04-00	001
SY\$SP1_VECTOR	V04-000	0	\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00	001
LIBRTL	V04-000	0	\$255\$DUA28:[SYSLIB]LIBRTL.EXE;1	16-SEP-1984 04:00	VAX-11 Linker V04-00	001
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! Image Section Synopsis !  
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Cluster	Type	Pages	Base Addr	Disk	VBN	PFC	Protection and Paging	Global Sec.	Sec. Name	Match	Majorid	Minorid
TRANSFER_VECTOR	3	78	00000000-R	2	0	READ ONLY						
DEFAULT_CLUSTER	4	1	00009C00-R	80	0	READ WRITE	COPY ON REF					
	4	1	P-00009E00-R	81	0	READ WRITE	COPY ON REF					
	2	1	0000A000-R	82	0	READ WRITE	FIXUP VECTORS					
LIBRTL	3	111	00000000-R	0	0	READ ONLY		LIBRTL_001		LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO		LIBRTL_002		LESS/EQUAL	1	11

Key for special characters above:

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! R - Relocatable !  
! P - Protected !  
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 ! Program Section Synopsis !  
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Psect Name	Module Name	Base	End	Length	Align	Attributes
SOR\$RO_CODE	SORSTRN_VEC	00000000	00009239	0000923A (	37434.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
	SORSARCHAIC	00000000	0000005F	00000060 (	96.) LONG 2	
	SORSCOMPARE	00000060	00000356	000002F7 (	759.) LONG 2	
	SORSFILE_NAME	00000358	00000775	0000041E (	1054.) LONG 2	
	SORSINTERFACE	00000778	0000081F	000000A8 (	168.) LONG 2	
	SORSKEY_SUB	00000820	00001C4C	0000142D (	5165.) LONG 2	
	SORSRMS_IO	00001C50	000031FE	000015AF (	5551.) LONG 2	
	SORSSCR_IO	00003200	00003816	00000617 (	1559.) LONG 2	
	SORSSORT	00003818	00004579	00000D62 (	3426.) LONG 2	
	SOR\$SPEC_FILE	0000457C	00004AA6	0000052B (	1323.) LONG 2	
	SOR\$SPEC_UTIL	00004AA8	000052FF	00000858 (	2136.) LONG 2	
	COLL\$UTICITIES	00005300	00005531	00000232 (	562.) LONG 2	
	SOR\$COLLATE	00005534	00005D3C	00000809 (	2057.) LONG 2	
	SRTSPC	00005D40	0000602E	000002EF (	751.) LONG 2	
	P1\$PAS	00006030	000069EE	000009BF (	2495.) LONG 2	
	P2\$PAS	00006C14	00006FCF	000003BC (	548.) LONG 2	
	P3\$PAS	00006F00	000070F0	00000121 (	956.) LONG 2	
	P4\$PAS	000070F4	00007251	0000015E (	289.) LONG 2	
	P5\$PAS	00007254	0000754F	000002FC (	350.) LONG 2	
	ICT\$IN	00007550	00007689	0000016A (	764.) LONG 2	
	SDECMS	000076BC	000079A1	000002E6 (	362.) LONG 2	
	GFS\$GE	000079A4	00007A3A	00000097 (	742.) LONG 2	
	PC\$PAR	00007A3C	00007B9D	00000162 (	151.) LONG 2	
	PK\$PAR	00007B90	00007E39	0000029A (	354.) LONG 2	
	PT\$PAR	00007E3C	0000816F	00000334 (	666.) LONG 2	
	PIS\$PAR	00008170	00008210	000000A1 (	820.) LONG 2	
	PM\$PAR	00008214	0000828E	0000007B (	161.) LONG 2	
	CC\$CON	00008290	000084C9	0000023A (	123.) LONG 2	
	CRE_TRANS	000084CC	00009239	00000D6E (	570.) LONG 2	
					3438.) LONG 2	
SOR\$RO_CODE	SORSINTERFACE-1	0000923C	0000923C	00000000 (	0.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
		0000923C	0000923C	00000000 (	0.) LONG 2	
SOR\$RO_CODE	SORSKEY_SDB-2	0000923C	0000924F	00000014 (	20.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
		0000923C	0000923F	00000004 (	4.) LONG 2	
	SORSSCR_IO	00009240	00009243	00000004 (	4.) LONG 2	
	SORSSORT	00009244	00009247	00000004 (	4.) LONG 2	
	SOR\$SPEC_FILE	00009248	0000924B	00000004 (	4.) LONG 2	
	CRE_TRANS	0000924C	0000924F	00000004 (	4.) LONG 2	
SOR\$RO_CODE	SORSINTERFACE-3	00009250	00009250	00000000 (	0.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
		00009250	00009250	00000000 (	0.) LONG 2	
_LIB\$CODE	LIB\$SET_FILE_PROT	00009250	00009A5B	0000080C (	2060.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
		00009250	00009445	000001F6 (	502.) LONG 2	
	LIB\$AB_CVTPT_0	00009448	00009547	00000100 (	256.) LONG 2	

Psect Name	Module Name	Base	End	Length	Align	Attributes
_LIB\$CODE		00009250	00009A5B	0000080C (	2060.) LONG 2	PIC,USR,CON,REL,GBL, SHR, EXE, RD,NOWRT,NOVEC
	LIB\$AB_CVTPT_U	00009548	00009647	00000100 (	256.) LONG 2	
	LIB\$AB_CVTPT_Z	00009648	00009747	00000100 (	256.) LONG 2	
	LIB\$AB_CVTTP_O	00009748	00009847	00000100 (	256.) LONG 2	
	LIB\$AB_CVTTP_U	00009848	00009947	00000100 (	256.) LONG 2	
	LIB\$AB_CVTTP_Z	00009948	00009A47	00000100 (	256.) LONG 2	
	LIB\$AB_CVT_U_O	00009A48	00009A5B	00000014 (	20.) LONG 2	
SOR\$RW_PICDATA	SOR\$INTERFACE	00009C00	00009C37	00000038 (	56.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	SOR\$KEY_SUB	00009C00	00009C03	00000004 (	4.) LONG 2	
	CRE_TRANS	00009C04	00009C08	00000008 (	8.) LONG 2	
		00009C0C	00009C37	0000002C (	44.) LONG 2	
MSGPTRSAAAAAAA	SOR\$MSG	00009E00	00009EOF	00000010 (	16.) LONG 2	PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
		00009E00	00009EOF	00000010 (	16.) LONG 2	
MSGPTRSAAAAAAAB	SOR\$MSG	00009E10	00009E13	00000004 (	4.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
		00009E10	00009E13	00000004 (	4.) LONG 2	
MSGPTRSAAAAAAAC	SOR\$MSG	00009E14	00009E17	00000004 (	4.) LONG 2	PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
		00009E14	00009E17	00000004 (	4.) LONG 2	
MSGPTR\$SECTION	SOR\$MSG	00009E18	00009E29	00000012 (	18.) BYTE 0	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC
		00009E18	00009E29	00000012 (	18.) BYTE 0	

!-----!  
! Symbol Cross Reference !  
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Symbol	Value	Defined By	Referenced By ...	
CASCVT_ATB	000064AF-R	SRTSPC	P2\$PAS	
CC\$CONV_CONSTANTS	00008290-R	CC\$CON	P5\$PAS	
CDD\$CREATE_HISTORY	00008E78-R	CRE_TRANS	CRE_TRANS	
CDD\$IND_NODE	00008ECF-R	CRE_TRANS	CRE_TRANS	
CDD\$GET_ATTS	00008F26-R	CRE_TRANS	CRE_TRANS	
CDD\$GET_ENTITY_CELL	00008F84-R	CRE_TRANS	CRE_TRANS	
CDD\$GET_ENTITY_LIST_ATT	00008FE6-R	CRE_TRANS	CRE_TRANS	
CDD\$GET_NUM_ATT	00009040-R	CRE_TRANS	CRE_TRANS	
CDD\$GET_STRING_ATT	0000909D-R	CRE_TRANS	CRE_TRANS	
CDD\$RLSE_LOCKS	000090F6-R	CRE_TRANS	CRE_TRANS	
CDD\$SIGN_IN	0000914C-R	CRE_TRANS	CRE_TRANS	
CDD\$SIGN_OUT	000091A3-R	CRE_TRANS	CRE_TRANS	
CDD\$ATTNOTFND	000091FC-R	CRE_TRANS	CRE_TRANS	
COL\$BASE	00005579-R	COL\$UTILITIES	ICT\$IN	SDECMS
COL\$FOLD	00005690-R	COL\$UTILITIES	ICT\$IN	PC\$PAR
COL\$INIT	00005534-R	COL\$UTILITIES	PC\$PAR	SORSINTERFACE
COL\$MODIFY	000055E3-R	COL\$UTILITIES	ICT\$IN	PM\$PAR
			SDECMS	
COL\$NEXT	000055C7-R	COL\$UTILITIES	ICT\$IN	SDECMS
COL\$PAD	0000582E-R	COL\$UTILITIES	PC\$PAR	SORSINTERFACE
COL\$RESULT	00005B7D-R	COL\$UTILITIES	PC\$PAR	SORSINTERFACE
COL\$TIE_BREAK	00005814-R	COL\$UTILITIES	PC\$PAR	SORSINTERFACE
COL\$UPPER	000055A0-R	COL\$UTILITIES	ICT\$IN	PC\$PAR
COM\$B_PAD	00000101	SOR\$SPEC_FILE	SORSCOMPARE	SDECMS
COM\$L_COLLATE	00000068	SOR\$SPEC_FILE	SORSCOMPARE	
CRE_EXTRACT_RECORD	00008D2C-R	CRE_TRANS	P2\$PAS	
DF\$DO_FOLD	0000767C-R	ICT\$IN	PC\$PAR	
EC\$ERR_CNTL	000069DA-R	SRTSPC	CC\$CON	ICT\$IN
			P2\$PAS	P1\$PAS
			P5\$PAS	P4\$PAS
			PK\$PAR	PI\$PAR
				PT\$PAR
FUN_K_KANJI	00000000			
GCC\$GET_CHAR_CLAUSE	0000677F-R	SRTSPC	WK-SORSKEY_SUB	PI\$PAR
			ICT\$IN	
			PK\$PAR	
GF\$GET_FILE_SPEC	000079A4-R	GF\$GE	P1\$PAS	
GKT\$GET_KYW_TYPE	0000669C-R	SRTSPC	P1\$PAS	PK\$PAR
GNSS\$GET_NEXT_SPEC	00006506-R	SRTSPC	P1\$PAS	P2\$PAS
			P4\$PAS	P3\$PAS
GOC\$GET_ONE_CHAR	00006818-R	SRTSPC	P1\$PAS	
GSS\$GET_STRING	00006713-R	SRTSPC	PK\$PAR	PT\$PAR
GSS\$GET_SUB_SPEC	00006530-R	SRTSPC	ICT\$IN	P1\$PAS
			P3\$PAS	P2\$PAS
				PC\$PAR
ICT\$INIT_CS_TAB	00007550-R	ICT\$IN	PC\$PAR	
LIB\$AB_ASC_EBC	0000A07C-RX	LIBRTL	SDECMS	
LIB\$AB_CVTPT_O	00009448-R	LIB\$AB_CVTPT_O	SORSCOMPARE	
LIB\$AB_CVTPT_U	00009548-R	LIB\$AB_CVTPT_U	SORSCOMPARE	
LIB\$AB_CVTPT_Z	00009648-R	LIB\$AB_CVTPT_Z	SORSCOMPARE	
LIB\$AB_CVTTP_O	00009748-R	LIB\$AB_CVTTP_O	SORSCOMPARE	
LIB\$AB_CVTTP_U	00009848-R	LIB\$AB_CVTTP_U	SORSCOMPARE	SORSKEY_SUB
				SORSKEY_SUB

Symbol	value	Defined By	Referenced By ...	
LIB\$AB_CVTP_Z	00009948-R	LIB\$AB_CVTP_Z	SOR\$COMPARE	
LIB\$AB_CVT_U_0	00009A48-R	LIB\$AB_CVT_U_0	SOR\$COMPARE	
LIB\$ANALYZE_SDESC	0000A054-RX	LIBRTL	SOR\$FILE_NAME	
LIB\$ANALYZE_SDESC_R2	0000A050-RX	LIBRTL	LIB\$SET_FILE_PROT	
LIB\$AST_IN_PROG	0000A058-RX	LIBRTL	SOR\$INTERFACE	
LIB\$FIND_IMAGE_SYMBOL	0000A064-RX	LIBRTL	CRE_TRANS	
LIB\$FREE_EF	0000A060-RX	LIBRTL	LIB\$SET_FILE_PROT	SOR\$KEY_SUB
LIB\$FREE_VM	0000A074-RX	LIBRTL	SOR\$INTERFACE	SOR\$SCR_IO
LIB\$GET_EF	0000A05C-RX	LIBRTL	LIB\$SET_FILE_PROT	SOR\$SCR_IO
LIB\$GET_VM	0000A078-RX	LIBRTL	SOR\$INTERFACE	SOR\$SCR_IO
			SOR\$SPEC_FILE	SOR\$SORT
LIB\$COPY_R_DX6	0000A068-RX	LIBRTL	SOR\$SORT	
LIB\$SET_FILE_PROT	00009250-R	LIB\$SET_FILE_PROT	SOR\$RMS_IO	
LIB\$FREE1_DB	0000A06C-RX	LIBRTL	SOR\$SPEC_FILE	
LIB\$SIGNAL	0000A070-RX	LIBRTL	SOR\$INTERFACE	
LIB\$INVARG	00158234	LIB\$MSGDEF	LIB\$SET_FILE_PROT	
LIB\$INVFILSPE	0015839C	LIB\$MSGDEF	LIB\$SET_FILE_PROT	SOR\$RMS_IO
P1\$PASS_ONE	000069F0-R	P1\$PAS	SRTSPC	
P2\$PASS_TWO	00006C14-R	P2\$PAS	SRTSPC	
P3\$PASS_THREE	00006FD0-R	P3\$PAS	SRTSPC	
P4\$PASS_FOUR	000070F4-R	P4\$PAS	SRTSPC	
P5\$PASS_FIVE	00007254-R	P5\$PAS	SRTSPC	
PC\$PARSE_COLL	00007A3C-R	PC\$PAR	P1\$PAS	
PI\$PARSE_IGN	00008170-R	PI\$PAR	PC\$PAR	
PK\$PARSE_KEY	00007BF0-R	PK\$PAR	P4\$PAS	P5\$PAS
PM\$PARSE_MOD	00008214-R	PM\$PAR	PC\$PAR	
POSITION	00004110-R	SOR\$SCR_IO		
PT\$PARSE_TEST	00008107-R	PT\$PAR	P3\$PAS	
RE\$SPAD	00000009	COLL\$UTILITIES	SOR\$COLLATE	
RE\$PTAB	0000000C	COLL\$UTILITIES	SOR\$COLLATE	
RE\$REVERSE	0000000A	COLL\$UTILITIES	SOR\$COLLATE	
RE\$RTN	00000000	COLL\$UTILITIES		
RE\$STAB	0000020C	COLL\$UTILITIES	SOR\$COLLATE	
RE\$TB	00000008	COLL\$UTILITIES	SOR\$COLLATE	
RE\$UPPER	0000010C	COLL\$UTILITIES	SOR\$COLLATE	
SA\$SPC_ALLOC	0000644D-R	SRTSPC	CC\$CON	P1\$PAS
			P3\$PAS	P2\$PAS
			PC\$PAR	PK\$PAR
SC\$SKIP_COMMA	00006670-R	SRTSPC	ICT\$IN	P1\$PAS
			P3\$PAS	P5\$PAS
			PI\$PAR	PK\$PAR
SH\$SPC_HEAP	0000647D-R	SRTSPC	P1\$PAS	P3\$PAS
SI\$SKIP_IGNORED	00006626-R	SRTSPC	P4\$PAS	PK\$PAR
			PT\$PAR	
SOR\$ALLOCATE	00000999-R	SOR\$INTERFACE	SOR\$FILE_NAME	SOR\$RMS_IO
			SOR\$SCR_IO	SOR\$SPEC_FILE
SOR\$BEST_FILE_NAME	00000778-R	SOR\$FILE_NAME	SOR\$RMS_IO	SOR\$SPEC_FILE
SOR\$COLLATE_0	00005D4A-R	SOR\$COLLATE	COLL\$UTILITIES	
SOR\$COLLATE_0_A	00005D40-R	SOR\$COLLATE	COLL\$UTILITIES	
SOR\$COLLATE_1	00005DC8-R	SOR\$COLLATE	COLL\$UTILITIES	
SOR\$COLLATE_1_A	00005DBE-R	SOR\$COLLATE	COLL\$UTILITIES	

Symbol	Value	Defined By	Referenced By ...
SOR\$COLLATE_2	00005EC6-R	SOR\$COLLATE	COLL\$UTILITIES
SOR\$COMPARE	00000358-R	SOR\$COMPARE	SOR\$SPEC_FILE
SOR\$COMPATIBLE	00005215-R	SOR\$SPEC FILE	
SOR\$CONVERT	0000054B-R	SOR\$COMPARE	CC\$CON
SOR\$COPY_FILE_NAME	000007C5-R	SORSFILE_NAME	SORSINTERFACE
SOR\$DEALLOCATE	000009C8-R	SORSINTERFACE	SOR\$FILE_NAME
SOR\$DECIM	000078D8-R	SDECMS	SOR\$SORT
SOR\$DEF_FIELD	000063B6-R	SRTSPC	ICT\$IN
SOR\$DTYPE_KBF	0000314A-R	SORSKEY_SUB	CRE_TRANS
SOR\$DTYPE_T_W	000031A1-R	SORSKEY_SUB	SORSKEY_SUB
SOR\$EBCDIC	00007942-R	SDECMS	ICT\$IN
SOR\$ERROR	00000927-R	SORSINTERFACE	CRE_TRANS
SOR\$FREE_FILE_NAME	0000080E-R	SORSFILE_NAME	SOR\$RMS_IO
SOR\$KEY_SUB	000028D2-R	SORSKEY_SUB	SOR\$SPEC_FILE
SOR\$OPEN	00003246-R	SOR\$RMS_IO	SORSINTERFACE
SOR\$RDT	000053DF-R	SOR\$SPEC_UTIL	SORSKEY_SUB
SOR\$REFORM	00005415-R	SOR\$SPEC_UTIL	SOR\$SPEC_FILE
SOR\$RFA_ACCESS	000037BF-R	SOR\$RMS_IO	SORSKEY_SUB
SOR\$SFPRS	000062D4-R	SRTSPC	SOR\$SPEC_FILE
SOR\$SPEC_FILE	00004AAD-R	SOR\$SPEC_FILE	SORSINTERFACE
SOR\$SPEC_KEY_SUB	00004EA0-R	SOR\$SPEC_FILE	SORSINTERFACE
SOR\$STDT	00005300-R	SOR\$SPEC_UTIL	SORSINTERFACE
SOR\$TREE_EXTRACT	00004798-R	SOR\$SORT	SORSINTERFACE
SOR\$TREE_INIT	0000457C-R	SOR\$SORT	SORSINTERFACE
SOR\$TREE_INSERT	00004692-R	SOR\$SORT	SORSINTERFACE
SOR\$WORK_MERGE	0000398D-R	SOR\$SCR_IO	SOR\$SORT
SOR\$WORK_NEWRUN	00003BE5-R	SOR\$SCR_IO	SOR\$SORT
SOR\$WORK_READ	00004045-R	SOR\$SCR_IO	SOR\$SORT
SOR\$WORK_WRITE	00003D61-R	SOR\$SCR_IO	SOR\$SORT
SOR\$WRK_ALQ	00004475-R	SOR\$SCR_IO	SORSINTERFACE
SOR\$BEGIN_MERGE	0000164C-RU	SORSINTERFACE	SORSARCHAIC
SOR\$BEGIN_SORT	00000BDB-RU	SORSINTERFACE	SORSARCHAIC
SOR\$DO_MERGE	00000325-RU	SORSARCHAIC	SOR\$TRN_VEC
SOR\$END_SORT	00001560-RU	SORSINTERFACE	SORSARCHAIC
SOR\$GK_ADDRESS	00000004-U	SORSINTERFACE	SOR\$TRN_VEC
SOR\$GK_BIN_KEY	00000002	WK-SORSARCHAIC	
SOR\$GK_CHAR_KEY	00000001	WK-SORSARCHAIC	
SOR\$GK_DLO_KEY	00000006	WK-SORSARCHAIC	
SOR\$GK_DLS_KEY	00000007	WK-SORSARCHAIC	
SOR\$GK_DTO_KEY	00000008	WK-SORSARCHAIC	
SOR\$GK_DTS_KEY	00000009	WK-SORSARCHAIC	
SOR\$GK_FLTB_KEY	0000000B	WK-SOR\$ARCHAIC	
SOR\$GK_FLTG_KEY	0000000C	WK-SORSARCHAIC	
SOR\$GK_FLTH_KEY	0000000D	WK-SORSARCHAIC	
SOR\$GK_FLT_KEY	0000000A	WK-SORSARCHAIC	
SOR\$GK_INDEX	00000003-U	SORSINTERFACE	
SOR\$GK_PACK_KEY	00000004	WK-SORSARCHAIC	
SOR\$GK_RECORD	00000001-U	SORSINTERFACE	
SOR\$GK_TAG	00000002-U	SORSINTERFACE	

Symbol	Value	Defined By	Referenced By ...
SORSGK_USB_KEY	00000005	WK-SORSARCHAIC	
SORSGK_ZONE_KEY	00000003	WK-SORSARCHAIC	
SORSINIT_MERGE	0000025E-RU	SORSARCHAIC	
SORSINIT_SORT	0000017B-RU	SORSARCHAIC	SOR\$TRN_VEC
SORSK_IDENT	00000000-U	SORSINTERFACE	SOR\$TRN_VEC
SORSK_INI_RUNS	00000008-U	SORSINTERFACE	
SORSK_LRL_INP	00000004-U	SORSINTERFACE	
SORSK_LRL_INT	00000005-U	SORSINTERFACE	
SORSK_LRL_OUT	00000006-U	SORSINTERFACE	
SORSK_MAX_STAT	00000010-U	SORSINTERFACE	
SORSK_MBC_INP	0000000C-U	SORSINTERFACE	
SORSK_MBC_OUT	0000000D-U	SORSINTERFACE	
SORSK_MBF_INP	0000000E-U	SORSINTERFACE	
SORSK_MBF_OUT	0000000F-U	SORSINTERFACE	
SORSK_MRG_ORDER	00000009-U	SORSINTERFACE	
SORSK_MRG_PASSES	0000000A-U	SORSINTERFACE	
SORSK_NODES	00000007-U	SORSINTERFACE	
SORSK_REC_INP	00000001-U	SORSINTERFACE	
SORSK_REC_OUT	00000003-U	SORSINTERFACE	
SORSK_REC_SOR	00000002-U	SORSINTERFACE	
SORSK_WRK_ALQ	00000008-U	SORSINTERFACE	
SORSM_EBCDIC	00000002-U	SORSINTERFACE	
SORSM_LOAD_FILL	00000200-U	SORSINTERFACE	
SORSM_MULTI	00000004-U	SORSINTERFACE	
SORSM_NODUPS	00000040-U	SORSINTERFACE	
SORSM_NOSIGNAL	00000008-U	SORSINTERFACE	
SORSM_SEQ_CHECK	00000010-U	SORSINTERFACE	
SORSM_STABLE	00000001-U	SORSINTERFACE	
SORSPASS_FILES	00000A39-RU	SORSINTERFACE	SOR\$TRN_VEC
SORSRELEASE_REC	00001311-RU	SORSINTERFACE	SOR\$TRN_VEC
SORSRETURN_REC	000013E9-RU	SORSINTERFACE	SOR\$TRN_VEC
SOR\$SORT_MERGE	00000FFC-RU	SORSINTERFACE	SOR\$TRN_VEC
SOR\$SPEC_FILE	00001A22-RU	SORSINTERFACE	SOR\$TRN_VEC
SOR\$STAT	00001B24-RU	SORSINTERFACE	CRE_TRANS
SOR\$V_EBCDIC	00000001-U	SORSINTERFACE	SOR\$TRN_VEC
SOR\$V_LOAD_FILL	00000009-U	SORSINTERFACE	
SOR\$V_MULTI	00000002-U	SORSINTERFACE	
SOR\$V_NODUPS	00000006-U	SORSINTERFACE	
SOR\$V_NOSIGNAL	00000003-U	SORSINTERFACE	
SOR\$V_SEQ_CHECK	00000004-U	SORSINTERFACE	
SOR\$V_STABLE	00000000-U	SORSINTERFACE	
SORS_BADTYPE	001C8212-U	SOR\$MSG	
SORS_BADLENOFF	001C821A-U	SOR\$MSG	
SORS_BADOCCURS	001C8224-U	SOR\$MSG	
SORS_BADOVRLAY	001C822A-U	SOR\$MSG	
SORS_BADPROTCL	001C8234-U	SOR\$MSG	
SORS_BAD_ADR	001C8094-U	SOR\$MSG	
SORS_BAD_FILE	001C808C-U	SOR\$MSG	
SORS_BAD_KEY	001C8034-U	SOR\$MSG	
SORS_BAD_LEN	001C8044-U	SOR\$MSG	
SORS_BAD_LRL	001C8082-U	SOR\$MSG	
SORS_BAD_MERGE	001C808A-U	SOR\$MSG	

Symbol	Value	Defined By	Referenced By ...
SORS_BAD_ORDER	001C80D0-U	SOR\$MSG	
SORS_BAD_ROUTIN	001C80C4-U	SOR\$MSG	
SORS_BAD_SPEC	001C807C-U	SOR\$MSG	
SORS_BAD_SRL	001C80F8-U	SOR\$MSG	
SORS_BAD_TYPE	001C806C-U	SOR\$MSG	
SORS_CDDERROR	001C823C-U	SOR\$MSG	
SORS_CHKPNT	001C8299	SOR\$MSG	
SORS_CLEAN_UP	001C80B4-U	SOR\$MSG	
SORS_COL_ADJ	001C81EC-U	SOR\$MSG	COLL\$UTILITIES
SORS_COL_CHAR	001C81FC-U	SOR\$MSG	COLL\$UTILITIES
SORS_COL_CMPLX	001C81F4-U	SOR\$MSG	COLL\$UTILITIES
SORS_COL_PAD	001C8204-U	SOR\$MSG	COLL\$UTILITIES
SORS_COL_THREE	001C820C-U	SOR\$MSG	COLL\$UTILITIES
SORS_DELBOTH	001C8119-U	SOR\$MSG	
SORS_DELETE1	001C8109-U	SOR\$MSG	
SORS_DELETE2	001C8111-U	SOR\$MSG	
SORS_DUP_OUTPUT	001C80DC-U	SOR\$MSG	
SORS_ENDDIAGS	001C828B	SOR\$MSG	
SORS_END_SORT	001C80E9-U	SOR\$MSG	
SORS_EXTEND	001C80A4-U	SOR\$MSG	
SORS_ILLBASE	001C8242-U	SOR\$MSG	
SORS_ILLITERL	001C824C-U	SOR\$MSG	
SORS_ILLSCALE	001C8252-U	SOR\$MSG	
SORS_INCDIGITS	001C825A-U	SOR\$MSG	
SORS_INCNODATA	001C81C4-U	SOR\$MSG	
SORS_INCNOKEY	001C81BC-U	SOR\$MSG	
SORS_INCONSIS	001C805C-U	SOR\$MSG	
SORS_IND_OVR	001C8054-U	SOR\$MSG	
SORS_INP_FILES	001C80CC-U	SOR\$MSG	
SORS_INVFOLD	001C81CA-U	SOR\$MSG	
SORS_KEYAMBINC	001C8134-U	SOR\$MSG	
SORS_KEYED	001C80F2-U	SOR\$MSG	
SORS_KEY_LEN	001C80AA-U	SOR\$MSG	
SORS_LRL_MISS	001C8074-U	SOR\$MSG	
SORS_MAP	001C809C-U	SOR\$MSG	
SORS_MISLENOFF	001C8260-U	SOR\$MSG	
SORS_MISS_KEY	001C8004-U	SOR\$MSG	
SORS_MISS_PARAM	001C80E4-U	SOR\$MSG	
SORS_MULTIDIM	001C826A-U	SOR\$MSG	
SORS_NODUPEXC	001C8104-U	SOR\$MSG	
SORS_NOTRECORD	001C8274-U	SOR\$MSG	
SORS_NO_WRK	001C8012-U	SOR\$MSG	
SORS_NUA_KEY	001C803C-U	SOR\$MSG	
SORS_NYI	001C8122-U	SOR\$MSG	
SORS_OBS_0	001C813C-U	SOR\$MSG	
SORS_ONE_IN	001C804C-U	SOR\$MSG	
SORS_OPERFAIL	001C81D4-U	SOR\$MSG	
SORS_OPREPLY	001C8293	SOR\$MSG	
SORS_REQ_ALT	001C81DB-U	SOR\$MSG	
SORS_ROPRAND	001C8142-U	SOR\$MSG	
SORS_RTNERRO	001C812A-U	SOR\$MSG	
SORS_SIGNCOMPO	001C827B-U	SOR\$MSG	

Symbol	Value	Defined By	Referenced By ...	Mod
SORS_SORT_ON	001C802C-U	SOR\$MSG		
SORS_SPC1VC	001C818C-U	SOR\$MSG		SRT
SORS_SPCIVD	001C819C-U	SOR\$MSG		SRT
SORS_SPCIVF	001C8194-U	SOR\$MSG		SYS
SORS_SPCIVI	001C81B4-U	SOR\$MSG		LIB
SORS_SPCIVK	001C81AC-U	SOR\$MSG		
SORS_SPCIVP	001C817C-U	SOR\$MSG		
SORS_SPCIVS	001C8184-U	SOR\$MSG		
SORS_SPCIVX	001C81A4-U	SOR\$MSG		
SORS_SPCMIS	001C8168-U	SOR\$MSG		
SORS_SPCOVR	001C8160-U	SOR\$MSG		
SORS_SPCSIS	001C8170-U	SOR\$MSG		
SORS_SRTIWA	001C815C-U	SOR\$MSG		
SORS_STABLEEXC	001C8154-U	SOR\$MSG		
SORS_UNDOPTION	001C814C-U	SOR\$MSG		
SORS_UNSUPLEVEL	001C8284-U	SOR\$MSG		
SORS_USE_ALT	001C81E3-U	SOR\$MSG		
SORS_VAR_FIX	001C8060-U	SOR\$MSG		
SORS_VM_FAIL	001C801C-U	SOR\$MSG		
SORS_WORK_DEV	001C800A-U	SOR\$MSG		
SORS_WS_FAIL	001C8024-U	SOR\$MSG		
SORT\$FACILITY	0000001C-U	SOR\$MSG		
STSSEARCH_TABLE	00006971-R	SRTSPC		P5\$PAS
			P2\$PAS	
			PK\$PAR	
			SOR\$INTERFACE	
STR\$APPEND	0000A048-RX	LIBRTL	CRE_TRANS	
STR\$FREE1DX	0000A04C-RX	LIBRTL	SOR\$INTERFACE	
SYSSADJWS	7FFEDE28	SYSSP1_VECTOR	LIB\$SET_FILE PROT	
SYSS\$ASSIGN	7FFEDE50	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$CLOSE	7FFEE1B8	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$CLRAST	7FFEE108	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$CONNECT	7FFEE1C0	SYSSP1_VECTOR	SOR\$RMS_IO	
SYSS\$CREATE	7FFEE1C8	SYSSP1_VECTOR	SOR\$RMS_IO	
SYSS\$DASSGN	7FFEDEE0	SYSSP1_VECTOR	LIB\$SETFILE PROT	
SYSS\$DCLAST	7FFEDEE8	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$GET	7FFEE180	SYSSP1_VECTOR	SORSINTERFACE	
			SOR\$SPEC_FILE	
			SOR\$KEY_SUB	
			SOR\$RMS_IO	
SYSS\$GETSYIW	7FFEE430	SYSSP1_VECTOR	SOR\$SPEC_FILE	
SYSS\$OPEN	7FFEE208	SYSSP1_VECTOR		
SYSS\$PARSE	7FFEE230	SYSSP1_VECTOR	LIB\$SETFILE PROT	
SYSS\$PUT	7FFEE188	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$QIOW	7FFEDE00	SYSSP1_VECTOR	LIB\$SETFILE PROT	
SYSS\$SEARCH	7FFEE248	SYSSP1_VECTOR	SOR\$SCR_IO	
SYSS\$SETDFPROT	7FFEE258	SYSSP1_VECTOR	LIB\$SETFILE PROT	
SYSS\$UNWIND	7FFEE070	SYSSP1_VECTOR	SORSINTERFACE	
SYSS\$WAIT	7FFEE1AB	SYSSP1_VECTOR	SORSINTERFACE	
TBSNOTB	00000004	COLL\$UTILITIES	SOR\$KEY_SUB	
TBSN\$UPPER	00000002	COLL\$UTILITIES	SOR\$SCR_IO	
TBSREVERSE	00000001	COLL\$UTILITIES	SOR\$SPEC_FILE	

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! Symbols By Value :
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Value	-----	Symbols...	-----	-----
00000000		U-SOR\$K_IDENT	U-SOR\$V_STABLE	
00000001	SOR\$GK_CHAR_KEY	U-SOR\$GR_RECORD	U-SOR\$K_REC_INP	U-SOR\$M_STABLE
00000002	U-SOR\$V_EBCDIC	TBSREVERSE		COD
00000003	SOR\$GK_BIN_KEY	U-SOR\$GK_TAG	U-SOR\$K_REC_SOR	DEF
00000004	U-SOR\$V_MULTI	TBSNOUPPER		
00000005	U-SOR\$GR_INDEX	SOR\$GK_ZONE_KEY	U-SOR\$K_REC_OUT	
00000006	U-SOR\$GK_ADDRESS	SOR\$GK_PACK_KEY	U-SOR\$K_LRL_INP	U-SOR\$V_NOSIGNAL
00000007	U-SOR\$V_SEQ_CHECK	TBSNOTB		U-SOR\$M_MULTI
00000008	SOR\$GK_USB_KEY	U-SOR\$K_LRL_INT		LIB
00000009	SOR\$GK_DLO_KEY	U-SOR\$K_LRL_OUT	U-SOR\$V_NODUPS	
0000000A	SOR\$GK_DLS_KEY	U-SOR\$K_NODES		
0000000B	RESSTB	SOR\$GK.DTO_KEY	U-SOR\$K_INI_RUNS	
0000000C	RESSPAD	SOR\$GK_DTS_KEY	U-SOR\$K_MRGR_ORDER	U-SOR\$M_NOSIGNAL
0000000D	RESSREVERSE	SOR\$GK_FLT_KEY	U-SOR\$K_MRGR_PASSES	U-SOR\$V_LOAD_FILL
0000000E	SOR\$GK_FLTD_KEY	U-SOR\$K_WRK_ALQ		
0000000F	RESSPTAB	SOR\$GK_FLTG_KEY	U-SOR\$K_MBC_INP	
00000010	SOR\$GK_FLTH_KEY	U-SOR\$K_MBC_OUT		
00000011	U-SOR\$K_MBF_INP			
00000012	U-SOR\$K_MBF_OUT			
00000013	U-SOR\$K_MAX_STAT			
00000014	U-SORT\$FACILITY			
00000015	U-SOR\$M_NODUPS			
00000016	COMSL_COLLATE			
00000017	COMSB_PAD			
00000018	RESSUPPER			
00000019	RU-SOR\$INIT_SORT			
00000020	U-SOR\$M_LOAD_FILL			
00000021	RESSTAB			
00000022	RU-SOR\$INIT_MERGE			
00000023	RU-SOR\$DO_MERGE			
00000024	R-SOR\$\$COMPARE			
00000025	R-SOR\$\$CONVERT			
00000026	R-SOR\$\$BEST_FILE_NAME			
00000027	R-SOR\$\$COPY_FILE_NAME			
00000028	R-SOR\$\$FREE_FILE_NAME			
00000029	R-SOR\$\$ERROR			
0000002A	R-SOR\$\$ALLOCATE			
0000002B	R-SOR\$\$DEALLOCATE			
0000002C	RU-SOR\$PASS_FILES			
0000002D	RU-SOR\$BEGIN_SORT			
0000002E	RU-SOR\$SORT_MERGE			
0000002F	RU-SOR\$RELEASE_REC			
00000030	RU-SOR\$RETURN_REC			
00000031	RU-SOR\$END_SORT			
00000032	RU-SOR\$BEGIN_MERGE			
00000033	RU-SOR\$SPEC_FILE			
00000034	RU-SOR\$STAT			
00000035	R-SOR\$\$KEY_SUB			
00000036	R-SOR\$\$DTYPE_KBF			

U-SOR\$M\_SEQ\_CHECK

Value	Symbols...
000031A1	R-SORSSDTYPE_T_W
00003246	R-SORSSOPEN
000037BF	R-SORSSRFA_ACCESS
0000398D	R-SORSSWORK_MERGE
00003BE5	R-SORSSWORK_NEWRUN
00003D61	R-SORSSWORK_WRITE
00004045	R-SORSSWORK_READ
00004110	R-POSITION
00004475	R-SORSSWRK_ALG
0000457C	R-SOR\$STREE_INIT
00004692	R-SOR\$STREE_INSERT
00004798	R-SOR\$STREE_EXTRACT
00004AAD	R-SORSSSPEC_FILE
00004EA0	R-SORSSSPEC_KEY_SUB
00005215	R-SORSSCOMPATIBLE
00005300	R-SOR\$STDT
000053DF	R-SOR\$RDT
00005415	R-SOR\$REFORM
00005534	R-COLL\$INIT
00005579	R-COLL\$BASE
000055A0	R-COLL\$UPPER
000055C7	R-COLL\$NEXT
000055E3	R-COLL\$MODIFY
00005690	R-COLL\$FOLD
00005814	R-COLL\$TIE_BREAK
0000582E	R-COLL\$PAD
00005B7D	R-COLL\$RESULT
00005D40	R-SOR\$COLLATE_0_A
00005D4A	R-SOR\$COLLATE_0
00005DBE	R-SOR\$COLLATE_1_A
00005DC8	R-SOR\$COLLATE_1
00005EC6	R-SOR\$COLLATE_2
000062D4	R-SORSSFPRS
000063B6	R-SOR\$DEF_FIELD
0000644D	R-SASSPC_ALLOC
0000647D	R-SHSSPC_HEAP
000064AF	R-CASCVT_ATB
00006506	R-GN\$GET_NEXT_SPEC
00006530	R-GSS\$GET_SUB_SPEC
00006626	R-SI\$SKIP_IGNORED
00006670	R-SCSS\$SKIP_COMMA
0000669C	R-GKT\$GET_KW_TYPE
00006713	R-GSS\$GET_STRING
0000677F	R-GCC\$GET_CHAR_CLAUSE
00006818	R-GOC\$GET_ONE_CHAR
00006971	R-ST\$SEARCH_TABLE
000069DA	R-EC\$ERR_CNTL
000069F0	R-P1\$PASS_ONE
00006C14	R-P2\$PASS_TWO
00006FD0	R-P3\$PASS_THREE
000070F4	R-P4\$PASS_FOUR
00007254	R-P5\$PASS_FIVE

Value	Symbols..
00007550	R-ICT\$INIT_CS_TAB
0000767C	R-DFS\$DO_FOLD
000078D8	R-SOR\$S\$DECIM
00007942	R-SOR\$S\$EBCDIC
000079A4	R-GF\$GET_FILE_SPEC
00007A3C	R-PC\$PARSE_COLL
00007BF0	R-PK\$PARSE_KEY
00008107	R-PT\$PARSE_TEST
00008170	R-PISPARSEIGN
00008214	R-PMSPARSEMOD
00008290	R-CC\$CONV_CONSTANTS
00008D2C	R-CRE_EXTRACT_RECORD
00008E78	R-CDD\$CREATE_HISTORY
00008ECF	R-CDD\$FIND_NODE
00008F26	R-CDD\$GET_ATTS
00008F84	R-CDD\$GET_ENTITY_CELL
00008FE6	R-CDD\$GET_ENTITY_LIST_ATT
00009040	R-CDD\$GET_NUM_ATT
00009090	R-CDD\$GET_STRING_ATT
000090F6	R-CDD\$RLSE_LOCKS
0000914C	R-CDD\$SIGN_IN
000091A3	R-CDD\$SIGN_OUT
000091FC	R-CDD_ATTNOTFND
00009250	R-LIB\$SET_FILE_PROT
00009448	R-LIB\$AB_CVTPT_O
00009548	R-LIB\$AB_CVTPT_U
00009648	R-LIB\$AB_CVTPT_Z
00009748	R-LIB\$AB_CVTTP_O
00009848	R-LIB\$AB_CVTTP_U
00009948	R-LIB\$AB_CVTTP_Z
00009A48	R-LIB\$AB_CVT_U_O
0000A048	RX-STR\$APPEND
0000A04C	RX-STR\$FREE1_DX
0000A050	RX-LIB\$ANALYZE_SDESC_R2
0000A054	RX-LIB\$ANALYZE_SDESC
0000A058	RX-LIB\$AST_IN_PROG
0000A05C	RX-LIB\$GET_EF
0000A060	RX-LIB\$FREE_EF
0000A064	RX-LIB\$FIND_IMAGE_SYMBOL
0000A068	RX-LIB\$COPY_R_DX8
0000A06C	RX-LIB\$FREE_T_DD
0000A070	RX-LIB\$SIGNAL
0000A074	RX-LIB\$FREE_VM
0000A078	RX-LIB\$GET_VM
0000A07C	RX-LIB\$AB_ASC_EBC
00158234	LIB\$INVARG
0015839C	LIB\$INVFILESPEC
001C8004	U-SOR\$MISS_KEY
001C800A	U-SOR\$WORK_DEV
001C8012	U-SOR\$NO_WRK
001C801C	U-SOR\$VM_FAIL
001C8024	U-SOR\$WS_FAIL

Value	Symbols...	Sym
001C802C	U-SOR\$_SORT_ON	SYS
001C8034	U-SOR\$_BAD_KEY	SYS
001C803C	U-SOR\$_NUM_KEY	SYS
001C8044	U-SOR\$_BAD_LEN	SYS
001C804C	U-SOR\$_ONE_IN	SYS
001C8054	U-SOR\$_IND_OVR	SYS
001C805C	U-SOR\$_INCNSIS	SYS
001C8060	U-SOR\$_VAR_FIX	SYS
001C806C	U-SOR\$_BAD_TYPE	SYS
001C8074	U-SOR\$_LRL_MISS	SYS
001C807C	U-SOR\$_BAD_SPEC	SYS
001C8082	U-SOR\$_BAD_LRL	SYS
001C808C	U-SOR\$_BAD_FILE	SYS
001C8094	U-SOR\$_BAD_ADR	SYS
001C809C	U-SOR\$_MAP	SYS
001C80A4	U-SOR\$_EXTEND	SYS
001C80AA	U-SOR\$_KEY_LEN	SYS
001C80B4	U-SOR\$_CLEAN_UP	SYS
001C80BA	U-SOR\$_BAD_MERGE	SYS
001C80C4	U-SOR\$_BAD_ROUTIN	SYS
001C80CC	U-SOR\$_INP_FILES	SYS
001C80D0	U-SOR\$_BAD_ORDER	SYS
001C80DC	U-SOR\$_DUP_OUTPUT	SYS
001C80E4	U-SOR\$_MISS_PARAM	SYS
001C80E9	U-SOR\$_END_SORT	SYS
001C80F2	U-SOR\$_KEYED	SYS
001C80F8	U-SOR\$_BAD_SRL	SYS
001C8104	U-SOR\$_NODUPEXC	SYS
001C8109	U-SOR\$_DELETE1	SYS
001C8111	U-SOR\$_DELETE2	SYS
001C8119	U-SOR\$_DELBOTH	SYS
001C8122	U-SOR\$_NYI	SYS
001C812A	U-SOR\$_RTNERROR	SYS
001C8134	U-SOR\$_KEYAMBIN	SYS
001C813C	U-SOR\$_OBS_0	SYS
001C8142	U-SOR\$_ROPRAND	SYS
001C814C	U-SOR\$_UNDOPTION	SYS
001C8154	U-SOR\$_STABLEEXC	SYS
001C815C	U-SOR\$_SRTIWA	SYS
001C8160	U-SOR\$_SPCOVR	SYS
001C8168	U-SOR\$_SPCMIS	SYS
001C8170	U-SOR\$_SPCSIS	SYS
001C817C	U-SOR\$_SPCIVP	SYS
001C8184	U-SOR\$_SPCIVS	SYS
001C818C	U-SOR\$_SPCIVC	SYS
001C8194	U-SOR\$_SPCIVF	SYS
001C819C	U-SOR\$_SPCIVD	SYS
001C81A4	U-SOR\$_SPCIVX	SYS
001C81AC	U-SOR\$_SPCIVK	SYS
001C81B4	U-SOR\$_SPCIVI	SYS
001C81BC	U-SOR\$_INCNOKEY	SYS
001C81C4	U-SOR\$_INCNODATA	SYS

## Value

001C81CA	U-SORS_INVFOLD
001C81D4	U-SORS_OPERFAIL
001C81DB	U-SORS_REQ_ALT
001C81E3	U-SORS_USE_ALT
001C81EC	U-SORS_COL_ADJ
001C81F4	U-SORS_COL_CMPLX
001C81FC	U-SORS_COL_CHAR
001C8204	U-SORS_COL_PAD
001C820C	U-SORS_COL_THREE
001C8212	U-SORS_BADTYPE
001C821A	U-SORS_BADLENOFF
001C8224	U-SORS_BADOCCURS
001C822A	U-SORS_BADOVRLAY
001C8234	U-SORS_BADPROTCL
001C823C	U-SORS_CDDERROR
001C8242	U-SORS_ILLBASE
001C824C	U-SORS_ILLITERL
001C8252	U-SORS_ILLSCALE
001C825A	U-SORS_INCDIGITS
001C8260	U-SORS_MISLENOFF
001C826A	U-SORS_MULTIDIM
001C8274	U-SORS_NOTRECORD
001C8278	U-SORS_SIGNCOMPQ
001C8284	U-SORS_UNSUPLEV
001C8288	SORS_ENDDIAGS
001C8293	SORS_OPREPLY
001C8299	SORS_CHKPNT
7FFEDE00	SYSS\$QIOW
7FFEDE28	SYSS\$ADJWSL
7FFEDE50	SYSS\$ASSIGN
7FFEDEE0	SYSS\$DASSGN
7FFEDEE8	SYSS\$DCLAST
7FFEE070	SYSS\$UNWIND
7FFEE108	SYSS\$CLRAST
7FFEE180	SYSS\$GET
7FFEE188	SYSS\$PUT
7FFEE1A8	SYSS\$WAIT
7FFEE1B8	SYSS\$CLOSE
7FFEE1C0	SYSS\$CONNECT
7FFEE1C8	SYSS\$CREATE
7FFEE208	SYSS\$OPEN
7FFEE230	SYSS\$PARSE
7FFEE24C	SYSS\$SEARCH
7FFEE258	SYSS\$SETDFPROT
7FFEE430	SYSS\$GETSYIW

## Symbols...

Val	---
000	001C81CA
000	001C81D4
000	001C81DB
000	001C81E3
000	001C81EC
000	001C81F4
000	001C81FC
000	001C8204
000	001C820C
000	001C8212
000	001C821A
000	001C8224
000	001C822A
000	001C8234
000	001C823C
000	001C8242
000	001C824C
000	001C8252
000	001C825A
000	001C8260
000	001C826A
000	001C8274
000	001C8278
000	001C8284
000	001C8288
000	001C8293
000	001C8299
001	7FFEDE00
001	7FFEDE28
001	7FFEDE50
001	7FFEDEE0
001	7FFEDEE8
001	7FFEE070
001	7FFEE108
001	7FFEE180
001	7FFEE188
001	7FFEE1A8
001	7FFEE1B8
001	7FFEE1C0
001	7FFEE1C8
001	7FFEE208
001	7FFEE230
001	7FFEE24C
001	7FFEE258
001	7FFEE430
7FF	
7FF	
7FF	

Value  
-----

Symbols...  
-----

Val  
---  
7FF  
7FF  
7FF  
7FF  
7FF

Key for special characters above:

-----	-----
* - Undefined	
U - Universal	
R - Relocatable	
X - External	
-----	-----

Virtual memory allocated: 00000000 0000A1FF 0000A200 (41472. bytes, 81. pages)

Stack size: 0. pages

Image header virtual block limits: 1. ( 1. block)

Image binary virtual block limits: 2. 82. ( 81. blocks)

SORTSHR V04-000

Number of files: 6.

Number of modules: 41.

Number of program sections: 15.

Number of global symbols: 387.

Number of cross references: 569.

Number of image sections: 6.

Number of code references to shareable images: 14.

Image type: PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=2, Minor=26  
Map format: FULL WITH CROSS REFERENCE in file \_S255\$DUA28:[SORT32.LIS]SORTSHR.MAP:1

Estimated map length: 123. blocks

Link Run Statistics

	Page Faults	CPU Time	Elapsed Time
Command processing:	97	00:00:03.07	00:00:04.55
Pass 1:	193	00:00:02.29	00:00:05.53
Allocation/Relocation:	17	00:00:00.24	00:00:00.59
Pass 2:	107	00:00:01.49	00:00:02.90
Map data after object module synopsis:	8	00:00:01.95	00:00:02.18
Symbol table output:	3	00:00:00.08	00:00:00.18
Total run values:	425	00:00:09.12	00:00:15.93

#### Performance Indicators

Command processing:

Page Faults

97

CPU Time

00:00:03.07

Elapsed Time

00:00:04.55

Pass 1:

Page Faults

193

CPU Time

00:00:02.29

Elapsed Time

00:00:05.53

Allocation/Relocation:

Page Faults

17

CPU Time

00:00:00.24

Elapsed Time

00:00:00.59

Pass 2:

Page Faults

107

CPU Time

00:00:01.49

Elapsed Time

00:00:02.90

Map data after object module synopsis:

Page Faults

8

CPU Time

00:00:01.95

Elapsed Time

00:00:02.18

Symbol table output:

Page Faults

3

CPU Time

00:00:00.08

Elapsed Time

00:00:00.18

Total run values:

Page Faults

425

CPU Time

00:00:09.12

Elapsed Time

00:00:15.93

Using a working set limited to 1200 pages and 105 pages of data storage (excluding image)

Total number object records read (both passes): 1275

of which 630 were in libraries and 0 were DEBUG data records containing 0 bytes

Number of modules extracted explicitly = 30  
with 10 extracted to resolve undefined symbols

41 library searches were for symbols not in the library searched

A total of 10 global symbol table records was written

LINK/NOTRACE/SIZE=EXE\$:\$SORTSHR/MAP=MAP\$:\$SORTSHR/FULL/CROSS COM\$:\$SOROPTION/OPTIONS

! SOROPTION.OPT

! !

LIB\$:\$SORTMERGE/INCLUDE=(-  
SOR\$ARCHAIC,- ! Archaic interface routines  
SOR\$COMPARE,- General compare  
SOR\$FILE\_NAME,- Copy file name strings  
SOR\$INTERFACE,- Interface routines  
SOR\$KEY\_SUB,- Key subroutine

SOR\$MSG,- ! Messages  
SOR\$RMS\_I0,- ! I/O  
SOR\$SCR\_I0,- ! Scratch file I/O  
SOR\$SORT,- ! Sort routines  
SOR\$SPEC\_FILE,- ! Read specification file  
SOR\$SPEC\_UTIL,- ! Specification utilities  
COLL\$UTIITIES,-  
SOR\$COLLATE,-  
SRTSPC,- ! Parse specification text  
P1\$PAS,-  
P2\$PAS,-  
P3\$PAS,-  
P4\$PAS,-  
P5\$PAS,-  
ICT\$IN,-  
SDECMS,-  
GF\$SGE,-  
PC\$PAR,-  
PK\$PAR,-  
PT\$PAR,-  
PI\$PAR,-  
PM\$PAR,-  
(CS\$CON,-  
(RE\_TRANS) ! CDD record extractor  
! Reference the Checkpoint/Recovery shareable image  
!SYMBOL=CHKS\_NOTINIT,XX000B8139 ! Temp until this can be found elsewhere  
!SYSSSHARE:CKPNTSHR/SHARE  
! Put the transfer vector in its own cluster  
CLUSTER=TRANSFER\_VECTOR,,LIB\$SORTMERGE/INCLUDE=SOR\$TRN\_VEC  
PSECT=\_UTIL\$CODE,SHR,PIC,GBL  
PSECT=\_UTIL\$DATA,PIC  
COLLECT=TRANSFER\_VECTOR,-  
SOR\$RO\_CODE,\$CODE\$,\_LIB\$CODE,\_UTIL\$CODE,-  
SOR\$RO\_CODE-----1,-  
SOR\$RO\_CODE-----2,-  
SOR\$RO\_CODE-----3  
! Set Global Section match control  
GSMATCH=LEQUAL,2,26  
! Define Universal symbols  
UNIVERSAL=-  
SOR\$INIT\_SORT,- ! Archaic interface routines  
SOR\$INIT\_MERGE,-  
SOR\$DO\_MERGE,-  
SOR\$PASS\_FILES,- ! Interface routines  
SOR\$BEGIN\_SORT,-

SORSRELEASE REC,-  
SORSSORT MERGE,-  
SORSRETURN REC,-  
SORSEND SORT,-  
SOR\$BEGIN MERGE,-  
SOR\$SPEC FILE,-  
SOR\$STAT,-

-  
SOR\$GK\_ADDRESS,- ! Sort processes  
SOR\$GK\_INDEX,-  
SOR\$GK\_RECORD,-  
SOR\$GK\_TAG,-

-  
SOR\$M\_EBCDIC,- ! Options masks  
SOR\$M\_MULTI,-  
SOR\$M\_NODUPS,-  
SOR\$M\_SEQ CHECK,-  
SOR\$M\_NOSIGNAL,-  
SOR\$M\_STABLE,-  
SOR\$M\_LOAD\_FILL,-

-  
SOR\$V\_EBCDIC,- ! Options field offsets  
SOR\$V\_MULTI,-  
SOR\$V\_NODUPS,-  
SOR\$V\_SEQ CHECK,-  
SOR\$V\_NOSIGNAL,-  
SOR\$V\_STABLE,-  
SOR\$V\_LOAD\_FILL,-

-  
SOR\$K\_IDENT,- ! Statistics requests  
SOR\$K\_INI\_RUNS,-  
SOR\$K\_LRL\_INP,-  
SOR\$K\_LRL\_INT,-  
SOR\$K\_LRL\_OUT,-  
SOR\$K\_MBC\_INP,-  
SOR\$K\_MBC\_OUT,-  
SOR\$K\_MBF\_INP,-  
SOR\$K\_MBF\_OUT,-  
SOR\$K\_MRQ\_ORDER,-  
SOR\$K\_MRQ\_PASSES,-  
SOR\$K\_NODES,-  
SOR\$K\_REC\_INP,-  
SOR\$K\_REC\_OUT,-  
SOR\$K\_REC\_SOR,-  
SOR\$K\_WRK\_ALQ,-  
SOR\$K\_MAX\_STAT

UNIVERSAL = SORS\_FACILITY  
UNIVERSAL = SORS\_MISS\_KEY  
UNIVERSAL = SORS\_WORK\_DEV  
UNIVERSAL = SORS\_NO\_WRK  
UNIVERSAL = SORS\_VM\_FAIL  
UNIVERSAL = SORS\_WS\_FAIL  
UNIVERSAL = SORS\_SORT\_ON  
UNIVERSAL = SORS\_BAD\_KEY  
UNIVERSAL = SORS\_NUM\_KEY

UNIVERSAL = SORS\_BAD\_LEN  
UNIVERSAL = SORS\_ONE\_IN  
UNIVERSAL = SORS\_IND\_OVR  
UNIVERSAL = SORS\_INCONIS  
UNIVERSAL = SORS\_VAR\_FIX  
UNIVERSAL = SORS\_BAD\_TYPE  
UNIVERSAL = SORS\_LRL\_MISS  
UNIVERSAL = SORS\_BAD\_SPEC  
UNIVERSAL = SORS\_BAD\_LRL  
UNIVERSAL = SORS\_BAD\_FILE  
UNIVERSAL = SORS\_BAD\_ADR  
UNIVERSAL = SORS\_MAP  
UNIVERSAL = SORS\_EXTEND  
UNIVERSAL = SORS\_KEY\_LEN  
UNIVERSAL = SORS\_CLEAN\_UP  
UNIVERSAL = SORS\_BAD\_MERGE  
UNIVERSAL = SORS\_BAD\_ROUTIN  
UNIVERSAL = SORS\_I\_P\_FILES  
UNIVERSAL = SORS\_BAD\_ORDER  
UNIVERSAL = SORS\_DUP\_OUTPUT  
UNIVERSAL = SORS\_MISS\_PARAM  
UNIVERSAL = SORS\_END\_SORT  
UNIVERSAL = SORS\_KEYED  
UNIVERSAL = SORS\_BAD\_SRL  
UNIVERSAL = SORS\_NODOPEXC  
UNIVERSAL = SORS\_DELETE1  
UNIVERSAL = SORS\_DELETE2  
UNIVERSAL = SORS\_DELBOTH  
UNIVERSAL = SORS\_NYI  
UNIVERSAL = SORS\_RTNEROR  
UNIVERSAL = SORS\_KEYAMBINC  
UNIVERSAL = SORS\_OBS\_0  
UNIVERSAL = SORS\_ROPRAND  
UNIVERSAL = SORS\_UNDOPTION  
UNIVERSAL = SORS\_STABLEEXC  
UNIVERSAL = SORS\_SRТИWA  
UNIVERSAL = SORS\_SPCOVR  
UNIVERSAL = SORS\_SPCMIS  
UNIVERSAL = SORS\_SPCSIS  
UNIVERSAL = SORS\_SPCIVP  
UNIVERSAL = SORS\_SPCIVS  
UNIVERSAL = SORS\_SPCIVC  
UNIVERSAL = SORS\_SPCIVF  
UNIVERSAL = SORS\_SPCIVD  
UNIVERSAL = SORS\_SPCIVX  
UNIVERSAL = SORS\_SPCIVK  
UNIVERSAL = SORS\_SPCIVI  
UNIVERSAL = SORS\_INCNKEY  
UNIVERSAL = SORS\_INCNODATA  
UNIVERSAL = SORS\_INVFOLD  
UNIVERSAL = SORS\_OPERFAIL  
UNIVERSAL = SORS\_REQ\_ALT  
UNIVERSAL = SORS\_USE\_ALT  
UNIVERSAL = SORS\_COL\_ADJ  
UNIVERSAL = SORS\_COL\_CMPLX

UNIVERSAL = SORS\_COL\_CHAR  
UNIVERSAL = SORS\_COL\_PAD  
UNIVERSAL = SORS\_COL\_THREE  
UNIVERSAL = SORS\_BADTYPE  
UNIVERSAL = SORS\_BADLENOFF  
UNIVERSAL = SORS\_BADOCCURS  
UNIVERSAL = SORS\_BADOVRLAY  
UNIVERSAL = SORS\_BADPROTCL  
UNIVERSAL = SORS\_CDDERROR  
UNIVERSAL = SORS\_ILLBASE  
UNIVERSAL = SORS\_ILLLITERL  
UNIVERSAL = SORS\_ILLSCALE  
UNIVERSAL = SORS\_INCDIGITS  
UNIVERSAL = SORS\_MISLENOFF  
UNIVERSAL = SORS\_MULTIDIM  
UNIVERSAL = SORS\_NOTRECORD  
UNIVERSAL = SORS\_SIGNCOMPQ  
UNIVERSAL = SORS\_UNSUPLEV1

0362 AH-BT13A-SE  
VAX/VMS V4.0

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SMGUSR RM LIS	COM REQ	SORLIB REQ	CDOTYPE R32
SORTSHR MAP	DEFS0 REQ	SRTSPC REQ	COOMAC R32
SORT32	DKS REQ	SRTSPC REQ	RECSYM R32
SORTMERGE MAP	CHKPNT REQ	SFKEYWRD REQ	
SMGVECTOR LIS	SRTTRN MAP	OPCODES REQ	